

Amendments to the Abstract:

Please replace the previous Abstract with the following redlined Abstract:

A switching voltage regulator adapted for providing provides a regulated voltage at an output terminal. The switching voltage regulator includes a ~~is described which comprises~~ at least one MOS transistor having a non-drivable terminal coupled with ~~said the~~ output terminal and a control circuit receiving a signal that is representative of the current signal flowing in ~~said the~~ MOS transistor. The control circuit ~~comprises~~ includes a compensation device adapted for cancelling the thermal variation of ~~said the~~ signal that is representative of the current signal flowing in ~~said the~~ MOS transistor.